

HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW36-VPE-57 | SVW36-VPE-57 | SVW33-VPA-58 | SVW33-VPA-58 | SVW33-VPD-59 | SVW33-VPD-59 | SVW33-VPD-60 | SVW33-VPD-60 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | | | | | | DUP | DUP |
| DATE | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 |
| ANALYSIS TIME | 9:14 | 9:14 | 9:38 | 9:38 | 10:01 | 10:01 | 10:24 | 10:24 |
| SAMPLING DEPTH (feet) | 92 | 92 | 20 | 20 | 85 | 85 | 85 | 85 |
| VOLUME WITHDRAWN (cc) | 428 | 428 | 140 | 140 | 400 | 400 | 520 | 520 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd |
| CHLOROETHANE | nd |
| CHLOROFORM | nd |
| 1,1-DICHLORO ETHANE | nd |
| 1,2-DICHLORO ETHANE | nd |
| 1,1-DICHLORO ETHENE | nd | nd . | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | . nd |
| DICHLOROMETHANE | nd |
| TETRACHLORO ETHENE | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd |
| 1,1,1-TRICHLORO ETHANE | nd |
| 1,1,2-TRICHLORO ETHANE | nd |
| TRICHLORO ETHENE | nd |
| VINYL CHLORIDE | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | ñd | nd | nd | nd | · nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd |
| BENZENE | nd | nd | nd | nd | | nd | nd | nd |
| CHLOROBENZENE | nd |
| ETHYLBENZENE | nd |
| TOLUENE | nd |
| m&p-XYLENES | nd |
| o-XYLENE | t.1 | nd | . nd | nd | | nd | , nd | nd |
| SURROGATES | | | | | | | 110 | 110 |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.7 | 8.6 | 14.4 | 8.6 | 13.9 | 8.6 | 14.1 |
| 4 BROMOFLUORO BENZENE | 17.8 | 33.6 | 17.8 | 33.3 | | 31.8 | 17.8 | 32.7 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW33-VPE-61 | SVW33-VPE-61 | SVW33-VPF-62 | SVW33-VPF-62 | SVW33-VPG-63 | SVW33-VPG-63 | SVW33-VPJ-64 | SVW33-VPJ-64 |
|--|---------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| DATE | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 |
| ANALYSIS TIME | 10:47 | 10:47 | 11:09 | 11:09 | 12:01 | 12:01 | 12:24 | 12:24 |
| SAMPLING DEPTH (feet) | 105 | 105 | 120 | 120 | 140 | 140 | 200 | 200 |
| VOLUME WITHDRAWN (cc) | 480 | 480 | 540 | 540 | 620 | 620 | 860 | 860 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | 7.7 | 84.2 | 7.7 | 28.5 | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | . nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | - nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | nd |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | nd |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | nd |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | nd |
| o-XYLENE | nd | nd | nd | nd | nd | nd | nd | no |
| SURROGATES | | | | | | nu nu | TIQ. | 110 |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.0 | 8.6 | 14.1 | 8.6 | 14.0 | 8.6 | 14.1 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.2 | 17.8 | 32.6 | 17.8 | 32.6 | 17.8 | 32.3 |
| ND INDICATES NOT DETECTED AT A DETECTION | LIMIT OF 1.0 UG/L-\ | APOR FOR FACE | LCOMPOLIND | | | 52.0 | 17.0 | 32.3 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR AREA COUNTS

| SAMPLE NAME | SVW26-VPF-65 | SVW26-VPF-65 | SVW26-VPF-66 | SVW26-VPF-66 | SVW26-VPG-67 | SVW26-VPG-67 | SVW26-VPH-68 | SVW26-VPH-68 |
|--|---------------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
| | | | DUP | DUP | | | 011120 111100 | 011120 111100 |
| DATE | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 | 09/11/02 |
| ANALYSIS TIME | 12:47 | 12:47 | 13:09 | 13:09 | 13:32 | 13:32 | 13:55 | 13:55 |
| SAMPLING DEPTH (feet) | 115 | 115 | 115 | 115 | 140 | 140 | 160 | 160 |
| VOLUME WITHDRAWN (cc) | 520 | 520 | 640 | 640 | 620 | 620 | 700 | 700 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | . nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nc |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | . nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nc |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nc |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nc |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | no |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | · nd | nd | nd | nd | nd | no |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | no |
| BENZENE | nd | nd | nd | nd | nd | nd | 8.0 | 2.3 |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | no |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | no |
| o-XYLENE | nd | nď | nd | nd | nd | nd | nd | no |
| SURROGATES | | | | | | | - IIG | |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.1 | 8.6 | 14.1 | 8.6 | 14.5 | 8.6 | 13,8 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.3 | 17.8 | 32.5 | 17.8 | 34.5 | 17.8 | 32.2 |
| ND INDICATES NOT DETECTED AT A DETECTION | LIMIT OF 1.0 UG/L-V | | | | | 34.0 | 17.0 | 02.2 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

| AMBIENT | SVW35- | SVW35- | SVW28- | SVW28-VPA- | SVW28- | SVW28- | SVW25- | SVW25- | SVW25- | SVW25-VPI- | SVW25- |
|----------|---|--|--|--|--|--|--|--|--|--|--|
| BLANK | VPE-69 | VPI-70 | VPA-71 | 72 DUP | VPD-73 | VPE-74 | VPA-75 | VPB-76 | VPI-77 | 78 DUP | VPJ-79 |
| 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 |
| 07:39 | 08:01 | 08:23 | 08:45 | 09:07 | 09:29 | 09:52 | 10:14 | 10:37 | | | 12:15 |
| | 80 | 140 | 20 | 20 | 80 | 105 | 20 | | | | 190 |
| | 380 | 620 | 140 | 260 | 380 | | | | | | 820 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 |
| . 1 | 1 | 11 | 1 | 1 | 1 | 1 | 1 | <u>i</u> | 1 | 1 | 1 |
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| ng - | - IIu | - IIu | nu | na | na | na | na | na | nd | nd | nd |
| 90% | 94% | 92% | 02% | 029/ | 0.50/ | 059/ | 0.40/ | 0.49/ | 020/ | 000/ | 000/ |
| 98% | 101% | 99% | 99% | 99% | 95% 101% | 95% 102% | 94% 101% | 94% 100% | 93% 101% | 92% 100% | 90% 98% |
| | BLANK 09/12/02 07:39 1 1 1 nd | BLANK VPE-69 09/12/02 09/12/02 07:39 08:01 80 380 1 1 1 1 1 nd | BLANK VPE-69 VPI-70 09/12/02 09/12/02 09/12/02 07:39 08:01 08:23 80 140 380 620 1 1 1 1 1 1 1 nd | BLANK VPE-69 VPI-70 VPA-71 09/12/02 09/12/02 09/12/02 09/12/02 07:39 08:01 08:23 08:45 80 140 20 380 620 140 1 1 1 1 1 1 1 1 1 1 1 1 1 nd n | BLANK VPE-69 VPI-70 VPA-71 72 DUP 09/12/02 09/12/02 09/12/02 09/12/02 07:39 08:01 08:23 08:45 09:07 80 140 20 20 380 620 140 260 1 1 1 1 1 1 1 1 1 1 nd nd nd nd nd nd nd nd nd nd <td>BLANK VPE-69 VPI-70 VPA-71 72 DUP VPD-73 09/12/02 00 09/12/02 10 1</td> <td>BLANK VPE-69 VPI-70 VPA-71 72 DUP VPD-73 VPE-74 09/12/02</td> <td> BLANK VPE-69 VPI-70 VPA-71 72 DUP VPD-73 VPE-74 VPA-75 </td> <td> BLANK VPE-69 VPI-70 VPA-71 72 DUP VPD-73 VPE-74 VPA-75 VPB-76 VPJ-72 VPB-76 VPJ-72 VPB-76 VPJ-72 VPJ-72 VPJ-75 VPB-76 VPJ-72 VPJ-72 VPJ-72 VPJ-72 VPJ-75 VPJ-76 VPJ-72 VP</td> <td> BLANK VPE-89 VPI-70 VPA-71 72 DUP VPD-73 VPE-74 VPA-75 VPB-76 VPI-77 VPI-77 VPI-78 VPI-79 VP</td> <td>BLANK VPE-69 VPI-70 VPA-71 72 DUP VPD-73 VPE-74 VPA-75 VPB-76 VPI-77 78 DUP 09/12/02 <td< td=""></td<></td> | BLANK VPE-69 VPI-70 VPA-71 72 DUP VPD-73 09/12/02 00 09/12/02 10 1 | BLANK VPE-69 VPI-70 VPA-71 72 DUP VPD-73 VPE-74 09/12/02 | BLANK VPE-69 VPI-70 VPA-71 72 DUP VPD-73 VPE-74 VPA-75 | BLANK VPE-69 VPI-70 VPA-71 72 DUP VPD-73 VPE-74 VPA-75 VPB-76 VPJ-72 VPB-76 VPJ-72 VPB-76 VPJ-72 VPJ-72 VPJ-75 VPB-76 VPJ-72 VPJ-72 VPJ-72 VPJ-72 VPJ-75 VPJ-76 VPJ-72 VP | BLANK VPE-89 VPI-70 VPA-71 72 DUP VPD-73 VPE-74 VPA-75 VPB-76 VPI-77 VPI-77 VPI-78 VPI-79 VP | BLANK VPE-69 VPI-70 VPA-71 72 DUP VPD-73 VPE-74 VPA-75 VPB-76 VPI-77 78 DUP 09/12/02 <td< td=""></td<> |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



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GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | AMBIENT BLANK AMI | BIENT BLANK | SVW35-VPE-69 | SVW35-VPE-69 | SVW35-VPI-70 | SVW35-VPI-70 | SVW28-VPA-71 | SVW28-VPA-71 |
|--|-------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| DATE | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 |
| ANALYSIS TIME | 7:39 | 7:39 | 8:01 | 8:01 | 8:23 | 8:23 | 8:45 | 8:45 |
| SAMPLING DEPTH (feet) | | | 80 | 80 | 140 | 140 | 20 | 20 |
| VOLUME WITHDRAWN (cc) | | | 380 | 380 | 620 | 620 | 140 | 140 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nc |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nc |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nc |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nc |
| TRICHLOROFLUOROMETHANE (FR11) | • nd | . nd | nd | nd | nd | nd | nd | · no |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | nc |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | nc |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | no |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | no |
| o-XYLENE | nd | nd | nd | nd | nd | . nd | nd | no |
| SURROGATES | | | | | | | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.1 | 8.6 | 14.7 | 8.6 | 14.4 | 8.6 | 14.3 |
| 4 BROMOFLUORO BENZENE ND INDICATES NOT DETECTED AT A DETECTION | 17.8 | 32.6 | 17.8 | 33.6 | 17.8 | 33.1 | 17.8 | 33.2 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW28-VPA-72 | SVW28-VPA-72 | SVW28-VPD-73 | SVW28-VPD-73 | SVW28-VPE-74 | SVW28-VPE-74 | SVW25-VPA-75 | SVW25-VPA-75 |
|--|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | DUP | DUP | | | | | | |
| DATE | .09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 |
| ANALYSIS TIME | 9:07 | 9:07 | 9:29 | 9:29 | 9:52 | 9:52 | 10:14 | 10:14 |
| SAMPLING DEPTH (feet) | 20 | 20 | 80 | 80 | 105 | 105 | 20 | 20 |
| VOLUME WITHDRAWN (cc) | 260 | 260 | 380 | 380 | 480 | 480 | 140 | 140 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | - nd | nd | nd | nd | · nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | nd |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | nd |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | nd |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | nd |
| o-XYLENE | nd | nd | nd | nd | nd | nd | nd | nd |
| SURROGATES | | | | | | | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.3 | 8.6 | 14.8 | 8.6 | 14.8 | 8.6 | 14.6 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.9 | 17.8 | 33.7 | 17.8 | 34.0 | 17.8 | 33.9 |
| ND INDICATES NOT DETECTED AT A DETECTION | LIMIT OF 1.0 UG/L-V | | | 30.1 | 17.0 | 34.0 | 17.0 | 33.3 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW25-VPB-76 | SVW25-VPB-76 | SVW25-VPI-77 | SVW25-VPI-77 | SVW25-VPI-78 | SVW25-VPI-78 | SVW25-VPJ-79 | SVW25-VPJ-79 |
|--|---------------------|---|--------------|--------------|--------------|--------------|--------------|--------------|
| | | | | | DUP | DUP | | |
| DATE | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 | 09/12/02 |
| ANALYSIS TIME | 10:37 | 10:37 | 11:00 | 11:00 | 11:22 | 11:22 | 12:15 | 12:15 |
| SAMPLING DEPTH (feet) | 40 | 40 | 180 | 180 | 180 | 180 | 190 | 190 |
| VOLUME WITHDRAWN (cc) | 220 | 220 | 780 | 780 | 900 | 900 | 820 | 820 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | no |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | no |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | - nd | no |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | no |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | no |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | no |
| o-XYLENE | nd | nd | nd | nd | nd | nd | nd | no |
| SURROGATES | | *************************************** | | | | | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.6 | 8.6 | 14.5 | 8.6 | 14.4 | 8.6 | 14.0 |
| 4 BROMOFLUORO BENZENE | 17.8 | 33.5 | 17.8 | 33.8 | 17.8 | 33.4 | 17.8 | 32.6 |
| ND INDICATES NOT DETECTED AT A DETECTION | LIMIT OF 1 0 UG/L-V | APOR FOR FACH | COMPOLIND | | | | | 02.0 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

| | AMBIENT | SVW38-VPE-80 | SVW38-VPF-81 | SVW38-VPJ-82 | SVW37-VPB-83 | SVW37-VPB-84 | SVW37-VPE-85 | SVW37-VPH- | SVW37-VPI-87 | SVW37-VPJ-88 |
|--|-----------------|----------------|--------------|---------------------------------------|--------------|--------------|--------------|------------|--------------|--------------|
| | BLANK | | | | | DUP | | 86 | | |
| DATE | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 |
| ANALYSIS TIME | 07:24 | 07:47 | 08:09 | 08:31 | 08:54 | 09:16 | 09:38 | 10:01 | 10:23 | 10:45 |
| SAMPLING DEPTH (feet) | | 95 | 110 | 170 | 40 | 20 | 100 | 155 | 170 | 185 |
| VOLUME WITHDRAWN (cc) | | 440 | 500 | 740 | 220 | 340 | 460 | 680 | 740 | 800 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CARBON TETRACHLORIDE | nd | nd | | | | | | | | |
| CHLOROETHANE | nd nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd . | nd | nd |
| 1.1.1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| , , , , , , , , , , , , , , , , , , , | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd . | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| o-XYLENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| SURROGATES | | | ~ <u></u> | · · · · · · · · · · · · · · · · · · · | | | 1970 | | | ,10 |
| 1,4 DIFLUORO BENZENE | 93% | 93% | 88% | 90% | 91% | 92% | 89% | 90% | 88% | 88% |
| 4 BROMOFLUORO BENZENE | 98% | 98% | 96% | 97% | 100% | 100% | 98% | 97% | 95% | 96% |
| ND INDICATES NOT DETECTED AT A DETECTION I | LIMIT OF 1.0 UG | /L-VAPOR FOR E | ACH COMPOUN | D | | | | | | 0070 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | AMBIENT | AMBIENT | SVW38-VPE- | SVW38-VPE- | SVW38-VPF- | SVW38-VPF- | SVW38-VPJ- | SVW38-VPJ- | SVW37-VPB- | SVW37-VPB- |
|--|----------|----------|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|
| | BLANK | BLANK | 80 | 80 | 81 | 81 | 82 | 82 | 83 | 83 |
| DATE | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 |
| ANALYSIS TIME | 7:24 | 7:24 | 7:47 | 7:47 | 8:09 | 8:09 | 8:31 | 8:31 | 8:54 | 8:54 |
| SAMPLING DEPTH (feet) | | | 95 | 95 | 110 | 110 | 170 | 170 | 40 | 40 |
| VOLUME WITHDRAWN (cc) | | | 440 | 440 | 500 | 500 | 740 | 740 | 220 | 220 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| OARDON TETRACIII ORIG | RT | AREA | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | - nd | nd | nd | nd | · nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| o-XYLENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| SURROGATES | | | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.5 | 8.6 | 14.5 | 8.6 | 13.8 | 8.6 | 14.0 | 8.6 | 14.2 |
| 4 BROMOFLUORO BENZENE | 17.7 | 32.7 | 17.7 R EACH COMF | 32.6 | 17.7 | 32.1 | 17.8 | 32.4 | 17.7 | 33.3 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW37-VPB- | SVW37-VPB- | SVW37-VPE- | SVW37-VPE- | SVW37-VPH- | SVW37-VPH- | SVW37-VPI- | SVW37-VPI- | SVW37-VPJ- | SVW37-VPJ- |
|--|------------------|--------------|-------------|------------|------------|------------|------------|---------------------------------------|------------|------------|
| | 84 DUP | 84 DUP | 85 | 85 | 86 | 86 | 87 | 87 | 88 | 88 |
| DATE | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 | 09/13/02 |
| ANALYSIS TIME | 9:16 | 9:16 | 9:38 | 9:38 | 10:01 | 10:01 | 10:23 | 10:23 | 10:45 | 10:45 |
| SAMPLING DEPTH (feet) | 20 | 20 | 100 | 100 | 155 | 155 | 170 | 170 | 185 | 185 |
| VOLUME WITHDRAWN (cc) | 340 | 340 | 460 | 460 | 680 | 680 | 740 | 740 | 800 | 800 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | . nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | - nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| o-XYLENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| SURROGATES | | | | | | | | · · · · · · · · · · · · · · · · · · · | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.3 | 8.6 | 13.9 | 8.6 | 14.0 | 8.6 | 13.7 | 8.6 | 13.7 |
| 4 BROMOFLUORO BENZENE | 17.8 | 33.5 | 17.8 | 32.7 | 17.7 | 32.4 | 17.7 | 31.6 | 17.7 | 32.1 |
| ND INDICATES NOT DETECTED AT A DETECTION | N LIMIT OF 1.0 U | G/L-VAPOR FC | R EACH COMP | OUND | | | | | | |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR SOIL VAPOR DATA IN UG/L-VAPOR

| | AMBIENT | | SVW34-VPE- | SVW34-VPF- | | SVW39-VPC- | SVW39-VPD- | SVW39-VPE- | SVW39-VPE- | SVW39-VPF- | SVW39-VP |
|---|----------|-----------|------------|------------|----------|------------|------------|------------|------------|------------|----------|
| D.A.T.C | BLANK | 89 | 90 DUP | 91 | 92 | 93 | 94 | 95 | 96 DUP | 97 | 98 |
| DATE | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 |
| ANALYSIS TIME | 07:20 | 07:42 | 08:05 | 08:27 | 08:49 | 09:11 | 09:33 | 09:55 | 10:18 | 10:40 | 11:02 |
| SAMPLING DEPTH (feet) | | 80 | 80 | 95 | 20 | 50 | 70 | 85 | 85 | 100 | 130 |
| VOLUME WITHDRAWN (cc) | | 380 | 500 | 440 | 140 | 260 | 340 | 400 | 520 | 460 | 580 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 11 | 1 | 1 | 1 | 1 | 1 |
| CARBON TETRACHLORIDE | nd | nd | nd | - d | | | | | | | |
| CHLOROETHANE | nd | nd | | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1.1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | | nd ! | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd - d | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1.1.1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| , | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd - | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | 1.7 | 5.0 |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd . | nd | nd | nd | nd | _nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | 2.2 | 2.4 | 3.6 | nd |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| o-XYLENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| SURROGATES | | | | | | | | | | | |
| 1,4 DIFLUORO BENZENE | 89% | 88% | 88% | 90% | 90% | 91% | 90% | 88% | 88% | 88% | 87% |
| 4 BROMOFLUORO BENZENE | 94% | 94% | 97% | 97% | 97% | 98% | 97% | 97% | 96% | 96% | 94% |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | AMBIENT BLANK | AMBIENT BLANK | SVW34-VPE-89 | SVW34-VPE-89 | SVW34-VPE-90 | SVW34-VPE-90 | SVW34-VPF-91 | SVW34-VPF-91 |
|--|---------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | | | | DUP | DUP | | |
| DATE | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 |
| ANALYSIS TIME | 7:20 | 7:20 | 7:42 | 7:42 | 8:05 | 8:05 | 8:27 | 8:27 |
| SAMPLING DEPTH (feet) | | | 80 | 80 | 80 | 80 | 95 | 95 |
| VOLUME WITHDRAWN (cc) | | | 380 | 380 | 500 | 500 | 440 | 440 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | nc |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | . nd | nd | nd | nd | nd | no |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd- | nd | nd | nd | nd | nd | no |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | no |
| TRICHLOROFLUOROMETHANE (FR11) | · nd | nd | nd | nd | nd | nd | nd | · |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | no |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | no |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | no |
| o-XYLENE | nd | nd | ⊸nd | nd | nd | nd | nd nd | no |
| SURROGATES | | | | | 110 | - IId | iid. | 110 |
| 1,4 DIFLUORO BENZENE | 8.6 | 13.9 | 8.6 | 13.8 | 8.6 | 13.7 | 8.6 | 14. |
| 4 BROMOFLUORO BENZENE | 17.8 | 31.3 | 17.8 | 31.5 | 17.8 | 32.3 | 17.8 | 32.5 |
| ND INDICATES NOT DETECTED AT A DETECTION | N LIMIT OF 1.0 UG/I | -VAPOR FOR FAC | CH COMPOLIND | | | 32.0 | | |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW39-VPA-92 | SVW39-VPA-92 | SVW39-VPC-93 | SVW39-VPC-93 | SVW39-VPD-94 | SVW39-VPD-94 | SVW39-VPE-95 | SVW39-VPE-95 |
|--|--------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| DATE | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 00/40/00 |
| ANALYSIS TIME | 8:49 | 8:49 | 9:11 | 9:11 | 9:33 | 9:33 | | 09/16/02 |
| SAMPLING DEPTH (feet) | 20 | 20 | 50 | 50 | 9.33 70 | 70 | 9:55 | 9:55 |
| VOLUME WITHDRAWN (cc) | 140 | 140 | 260 | 260 | 70 340 | | 85 | 85 |
| VOLUME INJECTED | 1 | 1 | 200 | 200 | 340 | 340 | 400 | 400 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | · nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | . nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd . | nd | nd | nd | nd | nd nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd nd | nd nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd . | nd | nd | nd | nd nd | nd nd | |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd 4,2 | nd 24.0 |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | 24.0 nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | nd |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | nd |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | nd |
| o-XYLÉNE | nd | nd | nd | nd | nd | nd | nd | nd nd |
| SURROGATES | **** | | | 110 | TIQ. | ilu - | nu nu | na |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.0 | 8.6 | 14.2 | 8.6 | 14.0 | 8.6 | 13.8 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.4 | 17.8 | 32.7 | 17.8 | 32.4 | 17.8 | 32.3 |
| ND INDICATES NOT DETECTED AT A DETECTION | LIMIT OF 1.0 UG/L- | VAPOR FOR FACI | H COMPOUND | | | JZ.4 | 17.0 | 32.3 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW39-VPE-96 | SVW39-VPE-96 | SVW39-VPF-97 | SVW39-VPF-97 | SVW39-VPI-98 | SVW39-VPI-98 |
|--|---------------------|------------------|--------------|--------------|--------------|--------------|
| | DUP | DUP | | | 011100 11100 | 011100 11100 |
| DATE | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 | 09/16/02 |
| ANALYSIS TIME | 10:18 | 10:18 | 10:40 | 10:40 | 11:02 | 11:02 |
| SAMPLING DEPTH (feet) | 85 | 85 | 100 | 100 | 130 | 130 |
| VOLUME WITHDRAWN (cc) | 520 | 520 | 460 | 460 | 580 | 580 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | · nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | . nd | nd | nd | . nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | 9.1 | 2.0 | 9.1 | 5.9 |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | 4.2 | 25.3 | 4.2 | 38.4 | nd | nd |
| BENZENE | nd | nd | nd | nd | nd | nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd |
| TOLUENE | nd | nd | nd | nd | nd | · nd |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd |
| o-XYLENE | nd | nd | nd | nd | nd | n. d |
| SURROGATES | | | | | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 13.8 | 8.6 | 13.8 | 8.6 | 13.5 |
| 4 BROMOFLUORO BENZENE | 17.8 | 31.9 | 17.8 | 32.1 | 17.8 | 31.3 |
| ND INDICATES NOT DETECTED AT A DETECTION | LIMIT OF 1.0 UG/L-\ | VAPOR FOR EACH (| COMPOUND | | | |
| ANALYOFO DEDECODATED ON COME IN CAR PAGE | | | | | | |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

| | AMBIENT | SVW27-VPA- | | SVW27-VPC- | | SVW27-VPD- | SVW27-VPE- | SVW27-VPF- | SVW27-VPG- | SVW27-VPI- | SVW27-VPI- | SVW27-VPJ- |
|--|----------|------------|----------|------------|----------|------------|------------|------------|------------|------------|------------|------------|
| | BLANK | . 99 | 100 | 101 | 102 DUP | 103 | 104 | 105 | 106 | 107 | 108 DUP | 109 |
| DATE | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 |
| ANALYSIS TIME | 07:33 | 07:55 | 08:17 | 08:40 | 09:02 | 09:24 | 09:46 | 10:12 | 10:34 | 10:59 | 11:21 | 12:15 |
| SAMPLING DEPTH (feet) | | 20 | 35 | 60 | 60 | 85 | 100 | 120 | 140 | 180 | 180 | 205 |
| VOLUME WITHDRAWN (cc) | | 140 | 200 | 300 | 420 | 400 | 460 | 540 | 620 | 780 | 900 | 880 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . i |
| CARBON TETRACHLORIDE | nd | ńd | nd | nd | | | | | | | | |
| CHLOROETHANE | nd | nd | nd | nd | nd l | nd |
| CHLOROFORM | nd | nd | nd | | nd | nd | nd | nd | nd | nd | nd | nd |
| 1.1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd d | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd l | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd d | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | .nd | nd | nd | nd | nd | . nd | nd | nd | nd | nd | . nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| BENZENE | | nd | nd | nd . | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| o-XYLENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| SURROGATES | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1.4 DIFLUORO BENZENE | | | | | | | | | | | | |
| 4 BROMOFLUORO BENZENE | 86% | 90% | 89% | 91% | 92% | 90% | 90% | 90% | 88% | 88% | 87% | 84% |
| ND INDICATES NOT DETECTED AT A DETECTION I | 93% | 97% | 98% | 98% | 100% | 98% | 99% | 99% | 97% | 98% | 98% | 93% |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | AMBIENT | AMBIENT | SVW27-VPA-99 | SVW27-VPA-99 | SVW27-VPB-100 | SVW27-VPB-100 | SVW27-VPC-101 | SVW27-VPC-101 |
|--|---------------------|-------------|--------------|--------------|---------------|-----------------|-----------------|----------------|
| | BLANK | BLANK | | | | 011127 VI B 100 | OVVV27-V1 O-101 | 3VV27-V1 0-101 |
| DATE | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 |
| ANALYSIS TIME | 7:33 | 7:33 | 7:55 | 7:55 | 8:17 | 8:17 | | 8:40 |
| SAMPLING DEPTH (feet) | | | 20 | 20 | 35 | 35 | 60 | 60 |
| VOLUME WITHDRAWN (cc) | . | | 140 | 140 | 200 | 200 | 300 | 300 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd · | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | . nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd • | nd | nd | nd | - nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | nd |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | nd |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | nd |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | nd |
| o-XYLENE | nd | nd | nd | nd | nd | nd | nd | nd |
| SURROGATES | | | | | | | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 13.4 | 8.6 | 14.0 | 8.6 | 13.9 | 8.6 | 14.2 |
| 4 BROMOFLUORO BENZENE | 17.7 | 31.2 | 17.8 | 32.5 | 17.8 | 32.6 | 17.7 | 32.6 |
| ND INDICATES NOT DETECTED AT A DETECTION LIM | IIT OF 1.0 UG/L-VAP | OR FOR EACH | COMPOUND | | | | | 02.0 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW27-VPC-102 | SVW27-VPC-102 | SVW27-VPD-103 | SVW27-VPD-103 | SVW27-VPE-104 | SVW27-VPE-104 | SVW27-VPF-105 | SVW27-VPF-105 |
|--|---------------------|---------------|---------------|---------------|---------------|---------------|----------------|---|
| | DUP | DUP | | | | | 011127 111 100 | C V V V Z V V V V V V V V V V V V V V V |
| DATE | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 |
| ANALYSIS TIME | 9:02 | 9:02 | 9:24 | 9:24 | 9:46 | 9:46 | • | 10:12 |
| SAMPLING DEPTH (feet) | 60 | 60 | 85 | 85 | 100 | 100 | 120 | 120 |
| VOLUME WITHDRAWN (cc) | 420 | 420 | 400 | 400 | 460 | 460 | 540 | 540 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | . RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | no |
| CHLOROETHANE | . nd | nd | nd | nd | nd | nd | nd | no |
| CHLOROFORM | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | . nd | nd | nd | nc |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,1-TRICHLORO ETHANE | · nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | no |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | - nd | nd | nd | nd | nd | no |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | no |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | nc |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | no |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | no |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | no |
| o-XYLENE | nd | nd | nd | nd | nď | nd | nd | no |
| SURROGATES | | | | | | | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 14.4 | 8.6 | 14.1 | 8.6 | 14.0 | 8.6 | 14.1 |
| 4 BROMOFLUORO BENZENE | 17.7 | 33.3 | 17.8 | | 17.8 | 33.2 | | 33.2 |
| ND INDICATES NOT DETECTED AT A DETECTION | LIMIT OF 1.0 UG/L-\ | APOR FOR EACH | LCOMPOUND | | | | | |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
AREA COUNTS

| SAMPLE NAME | SVW27-VPG-106 | SVW27-VPG-106 | SVW27-VPI-107 | SVW27-VPI-107 | SVW27-VPI-108 | SVW27-VPI-108 | SVW27-VPJ-109 | SVW27-VPJ-109 |
|--|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | | | | DUP | DUP | | |
| DATE | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 | 09/17/02 |
| ANALYSIS TIME | 10:34 | 10:34 | 10:59 | 10:59 | 11:21 | 11:21 | 12:15 | 12:15 |
| SAMPLING DEPTH (feet) | 140 | 140 | 180 | 180 | 180 | 180 | 205 | 205 |
| VOLUME WITHDRAWN (cc) | 620 | 620 | 780 | 780 | 900 | 900 | 880 | 880 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CARBON TETRACHLORIDE | nd | nd | nd | nd | nd | nd | nd | no |
| CHLOROETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| CHLOROFORM | · nd | nd | nd | nd | nd | nd | nd | no |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1-DICHLORO ETHENE | nd | - nd | nd | nd | nd | nd | nd | no |
| CIS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | . nd | nd | nd | nd | . nd | no |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | no |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | no |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | no |
| TRICHLOROFLUOROMETHANE (FR11) | · nd | nd | nd | nd | nd | nd | | - no |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | | no |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | | no |
| BENZENE | nd | nd | nd | nd | nd | nd | | no |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | | n |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | | no |
| TOLUENE | nd | nd | nd | nd | nd | nd | | no |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | | no |
| o-XYLENE | nd | nd | nd | nd | nd | nd | | no |
| SURROGATES | | | | | | | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 13.8 | 8.6 | 13.7 | 8.6 | 13.6 | 8.6 | 13.1 |
| 4 BROMOFLUORO BENZENE | 17.8 | 32.5 | 17.8 | 32.8 | 17.8 | 32.6 | | 31.2 |
| ND INDICATES NOT DETECTED AT A DETECTION | LIMIT OF 1.0 UG/L-V | APOR FOR EACH | | | | | | 01.2 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)



HP Labs Project #GF090302T2
GC SHIMADZU 14A
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

| | AMBIENT | SVW15-VPB- | | SVW15-VPD- | SVW15-VPE- | SVE15-VPE- | SVW6-VPB- | SVW6-VPD- | SVW6-VPE |
|---|----------|------------|----------|------------|------------|------------|-----------|--|----------|
| | BLANK | 110 | 111 | 112 | 113 | 114 DUP | 115 | 116 | 117 |
| DATE | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 |
| ANALYSIS TIME | 07:06 | 07:28 | 07:49 | 08:11 | 08:33 | 08:56 | 09:18 | 09:39 | 10:01 |
| SAMPLING DEPTH (feet) | | 40 | 60 | 75 | 95 | 95 | 40 | 77 | 96 |
| VOLUME WITHDRAWN (cc) | | 220 | 300 | 360 | 440 | 560 | 220 | 368 | 444 |
| VOLUME INJECTED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 11 | 11 | 1 | 1 | 1 |
| CARBON TETRACHLORIDE | nd | nd | nd | n.d | | 1 | | ······································ | |
| CHLOROETHANE | . nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROFORM | nd | | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1.1-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE | | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| FETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| FRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| /INYL CHLORIDE | nd | nd | _ nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) BENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | nd . | nd |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| n&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| o-XYLENE | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| SURROGATES | | | | | | | 7 | | |
| ,4 DIFLUORO BENZENE | 87% | 88% | 89% | 87% | 87% | 88% | 87% | 87% | 89% |
| 4 BROMOFLUORO BENZENE ND INDICATES NOT DETECTED AT A DETECTION | 95% | 98% | 99% | 95% | 94% | 97% | 96% | 98% | 99% |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE



HP Labs Project #GF090302T2 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR AREA COUNTS

| DATE ANALYSIS TIME SAMPLING DEPTH (feet) VOLUME WITHDRAWN (cc) VOLUME INJECTED DILUTION FACTOR CARBON TETRACHLORIDE CHLOROETHANE CHLOROFORM 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE DICHLOROMETHANE | BLANK 09/18/02 7:06 1 1 RT | BLANK 09/18/02 7:06 1 1 | 110 09/18/02 7:28 40 220 | 110 09/18/02 7:28 40 | 09/18/02 7:49 60 | 111 09/18/02 7:49 60 | 09/18/02 8:11 | 112 09/18/02 8:11 | 09/18/02 | 113 09/18/02 8:33 |
|--|---|---|--------------------------------------|-------------------------------|------------------------|-------------------------------|------------------|--|----------|-------------------------|
| ANALYSIS TIME SAMPLING DEPTH (feet) VOLUME WITHDRAWN (cc) VOLUME INJECTED DILUTION FACTOR CARBON TETRACHLORIDE CHLOROETHANE CHLOROFORM 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | 7:06 1 1 RT | 7:06 1 | 7:28 40 | 7:28 40 | 7:49 | 7:49 | 8:11 | 8:11 | | |
| SAMPLING DEPTH (feet) VOLUME WITHDRAWN (cc) VOLUME INJECTED DILUTION FACTOR CARBON TETRACHLORIDE CHLOROFORM 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | 1 1 RT | 1 | 40 | 40 | | : | | | 8:33 | 8:33 |
| VOLUME WITHDRAWN (cc) VOLUME INJECTED DILUTION FACTOR CARBON TETRACHLORIDE CHLOROFORM 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | | 1 | | | 60 | 60 | | | | |
| VOLUME INJECTED DILUTION FACTOR CARBON TETRACHLORIDE CHLOROFORM 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | | 1 | 220 | 200 | | 90 : | 75 | 75 | 95 | 95 |
| DILUTION FACTOR CARBON TETRACHLORIDE CHLOROETHANE CHLOROFORM 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | | 1 | | 220 | 300 | 300 | 360 | 360 | 440 | 440 |
| CARBON TETRACHLORIDE CHLOROETHANE CHLOROFORM 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | | 4 : | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CHLOROETHANE CHLOROFORM 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CHLOROETHANE CHLOROFORM 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | nd | AREA | RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| CHLOROFORM 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | riu - | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHANE 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,2-DICHLORO ETHANE 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1-DICHLORO ETHENE CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CIS-1,2-DICHLORO ETHENE TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRANS-1,2-DICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| · | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| DICHLOROMETHANE | nd | nd | nd | . nd | nd | nd | nd | nd | nd | nd |
| | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TETRACHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd - | nd | nd | nd | nd |
| 1,1,2,2-TETRACHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,1-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLORO ETHANE | nd | nd | nd | nd | nd | nd | . nd | nd | nd | nd |
| TRICHLORO ETHENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| VINYL CHLORIDE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TRICHLOROFLUOROMETHANE (FR11) | · nd | nd | nd | nd | nd [*] | nd | nd | nd | nd | ° nd |
| DICHLORODIFLUOROMETHANE (FR12) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| 1,1,2-TRICHLOROTRIFLUOROETHANE (FR113) | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| BENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| CHLOROBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| ETHYLBENZENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| TOLUENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| m&p-XYLENES | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| o-XYLENE | nd | nd | nd | nd | nd | nd | nd | nd | nd | nd |
| SURROGATES | | | | | | | | Maria de la composición del composición de la co | | |
| 1,4 DIFLUORO BENZENE | 8.6 | 13.6 | 8.6 | 13.7 | 8.6 | 13.9 | 8.6 | 13.6 | 8.6 | 13.5 |
| 4 BROMOFLUORO BENZENE | | | | 13.7 | 0.0 | 13.9 | 0.0 | 13.0 | 0.0 | 10.0 |
| ND INDICATES NOT DETECTED AT A DETECTION LIMIT | 17.7 | 31.8 | 17.8 | 32.7 | 17.8 | 33.2 | 17.8 | 31.7 | 17.8 | |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)



HP Labs Project #GF090302T2 GC SHIMADZU 14A

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8021) ANALYSES OF SOIL VAPOR

AREA COUNTS

| SVE15-VPE-114 | SVE15-VPE-114 | SVW6-VPB-115 | SVW6-VPB-115 | SVW6-VPD-116 | SVW6-VPD-116 | SVW6-VPE-117 | SVW6-VPE-117 |
|---------------|--|---|--|--|--|--------------|--|
| DUP | DUP | | | | | | |
| 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 |
| 8:56 | 8:56 | 9:18 | 9:18 | 9:39 | 9:39 | 10:01 | 10:01 |
| 95 | 95 | 40 | 40 | 77 | 77 | 96 | 96 |
| 560 | 560 | 220 | 220 | 368 | 368 | 444 | 444 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| RT | AREA | RT | AREA | RT | AREA | RT | AREA |
| nd | nd | nd | nd | nd | nd | nd | nd |
| nd | nd | nd | nd | nd | nd | nd | nd |
| nd | nd | nd | nd | nd | nd | nd | nd |
| nd | nd | nd | nd | nd | nd | nd | nd |
| nd | nd | nd | nd | nd | nd | nd | nd |
| nd | nd | nd | nd | nd | nd | nd | nd |
| nd | nd | nd | nd | nd | nd | nd | no |
| . nd | nd | nd | nd | nd | nd | nd | . no |
| nd | nd | nd | nd | nd | nd | nd | no |
| nd | nd | nd | nd | nd | nd | nd | no |
| · nd | nd | nd | nd | nd | nd | nd | no |
| nd | nd | nd | nd | nd | nd | nd | no |
| nd | nd | nd | · nd | nd | nd | nd | nc |
| nd | nd | nd | nd | nd | nd | nd | nc |
| nd | nd | nd | nd | nd | nd | nd | no |
| nd | nd | nd | nd | nd | nd | nd | no |
| nd | - nd | nd | nd | nd | - nd | nd | no |
| nd | nd | nd | nd | nd | nd | nd | no |
| nd | nd | nd | nd | nd | nd | nd | no |
| nd | nd | nd | nd | nd | nd | nd | no |
| nd | nd | nd | nd | nd | nd | nd | no |
| nd | nd | nd | nd | nd | nd | nd | no |
| nd | nd | nd | nd | nd | nd | nd | no |
| nd | nd | nd | nd | nd | nd | nd | no |
| nd | nd | nd | nd | nd | nd | nd | no |
| | | | | | | | |
| 8.6 | 13.8 | 8.6 | 13.6 | 8.6 | 13.6 | 8.6 | 13.9 |
| 17.8 | 32.4 | 17.8 | 32.0 | 17.8 | 32.7 | 17.8 | 33.2 |
| | DUP 09/18/02 8:56 95 560 1 1 1 RT nd | DUP DUP 09/18/02 09/18/02 8:56 8:56 95 95 560 560 1 1 1 1 1 1 RT AREA nd nd n | DUP DUP 09/18/02 09/18/02 09/18/02 8:56 8:56 9:18 95 95 40 560 560 220 1 1 1 1 1 1 RT AREA RT nd nd nd nd nd nd< | DUP DUP 09/18/02 09/18/02 09/18/02 8:56 8:56 9:18 9:18 95 95 40 40 560 560 560 220 220 1 1 1 1 1 1 1 1 1 | DUP DUP 09/18/02 <td> DUP DUP </td> <td> DUP DUP 09/18/02</td> | DUP DUP | DUP DUP 09/18/02 |

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY (CERT #1667)

ANALYSES PERFORMED BY: MARK BURKE